

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 8    | ("4881030" "4931730" "4977373" "511 6613").PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/07 10:06 |
| L2    | 2    | "4634976".pn.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/07 10:06 |
| L4    | 1082 | 73/761,779.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/07 14:59 |
| L5    | 4810 | 324/209,228,234-243.ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/07 10:13 |
| L6    | 5783 | L4 L5   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/07 10:13 |
| L7    | 88   | L6 AND barkhausen   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/07 15:58 |
| L8    | 5    | L7 and bolt   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/07 10:15 |
| L9    | 6    | ("5280725").URPN.   | USPAT  | OR               | ON      | 2006/12/07 10:17 |
| L10   | 11   | ("2266620"   "3427872"   "3449664"   "3611119"   "4314203"   "4409549"   "4445089"   "4507609").PN. | US-PGPUB; USPAT; USOCR                             | OR               | ON      | 2006/12/07 10:19 |
| L11   | 3650 | barkhausen  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/07 11:10 |

## EAST Search History

|     |      |   |  |    |    |                  |
|-----|------|---|--|----|----|------------------|
| L12 | 8    | barkhausen ANd (winding coil) and bolt NOT L7   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 10:34 |
| L13 | 1547 | barkhausen ANd (winding coil)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 16:11 |
| L14 | 11   | barkhausen ANd (winding coil) and (rivet nut)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 10:34 |
| L15 | 298  | barkhausen ANd (winding coil)   | EPO; JPO; DERWENT; IBM_TDB                         | OR | ON | 2006/12/07 10:43 |
| L16 | 301  | barkhausen ANd (winding coil) AND (stress strain)   | US-PGPUB; USPAT; USOCR                             | OR | ON | 2006/12/07 10:50 |
| L17 | 24   | (US-20050248338-\$).did. or (US-4634976-\$ or US-4881030-\$ or US-4931730-\$ or US-4977373-\$ or US-5280725-\$ or US-6501211-\$ or US-5343759-\$ or US-4445089-\$ or US-3449664-\$ or US-3427872-\$ or US-6281680-\$ or US-6073493-\$ or US-5992241-\$ or US-5565773-\$ or US-5166613-\$ or US-5164669-\$ or US-6084404-\$ or US-5028869-\$ or US-5010299-\$).did. or (US-3588683-\$ or US-3427872-\$).did. or (JP-62229038-\$).did. or (JP-11281623-\$).did. | US-PGPUB; USPAT; USOCR; JPO; DERWENT               | OR | ON | 2006/12/07 11:04 |
| L18 | 9    | L17 AND pulse   | US-PGPUB; USPAT; USOCR; JPO; DERWENT               | OR | ON | 2006/12/07 11:04 |
| L19 | 440  | barkhausen ANd (winding coil) AND pulse   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 11:42 |
| L20 | 45   | barkhausen ANd (winding coil) AND (pulse WITH (excitation excit\$4))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 11:40 |

## EAST Search History

|     |     |   |  |    |    |                  |
|-----|-----|---|--|----|----|------------------|
| L21 | 134 | barkhausen ANd (winding coil) AND pulse AND (stress strain)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 11:55 |
| L22 | 351 | barkhausen ANd (winding coil) AND (stress strain)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 11:56 |
| L23 | 238 | barkhausen ANd (winding coil) AND (stress strain) AND (compar\$4 comparison)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 11:56 |
| L24 | 36  | ("1958079"   "1984465"   "2098064"   "2103224"   "2267884"   "2398488"   "2448794"   "2660704"   "3022451"   "3427872"   "3737764"   "3783370"   "3875502"   "4146837"   "4188577"   "4215310"   "4352065"   "4408160"   "4466287"   "4497209"   "4599563"   "4634976"   "4689558"   "4692701"   "4881030"   "4931730").PN. | US-PGPUB; USPAT; USOCR                             | OR | ON | 2006/12/07 13:58 |
| L25 | 28  | L6 AND barkhausen AND square  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 14:14 |
| L26 | 569 | 73/761.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 16:17 |
| L27 | 67  | 73/761.ccls. AND coil   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 15:42 |
| L28 | 74  | 73/761.ccls. AND (coil winding)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 15:33 |

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|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| L29 | 97  | ("20050248338" "4100492" "6527193"<br>"5008649" "4523482" "4977373"<br>"6073493" "5654511" "5703740"<br>"5838521" "5992241" "5995342"<br>"6195232" "4596150" "5010299"<br>"5565773" "5673162" "5801630"<br>"6153319" "3783370" "4599563"<br>"4881030" "4900650" "4931730"<br>"5570251" "5571573" "5744954"<br>"5830587" "6133731" "6198608"<br>"6210818" "6224719" "6210818"<br>"6224719" "6278590" "6301089"<br>"6459551" "6583617" "6752023"<br>"7038444" "20020024337"<br>"20040183528" "5313405" "5652394"<br>"6009756" "3617943" "5926019"<br>"7024935" "20050172719" "5619135"<br>).pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/07 15:33 |
| L30 | 71  | 73/761.ccls. AND magnet\$2  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/07 15:43 |
| L31 | 5   | L6 AND barkhausen ANd washer  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/07 15:57 |
| L32 | 141 | L6 AND magnet\$2 AND washer   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/07 15:59 |
| L33 | 47  | barkhausen ANd (winding coil) ANd<br>(bolt screw rivet)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/07 16:11 |
| L34 | 213 | 73/862.69.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/07 16:18 |
| L35 | 63  | 73/862.69.ccls. AND (bolt screw rivet<br>fastener)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/07 16:20 |

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|     |    |              |   |    |    |                  |
|-----|----|--------------|---|----|----|------------------|
| L36 | 4  | "2002039932" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/07 16:21 |
| S1  | 24 | "525077"     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/07 09:19 |